

# Character Tables of Multiplicity-Free Endomorphism Rings

$G = HS$  (no. 10)

$H = M_{11}$

rank: 9

degree: 5600

|         | $O_1$ | $O_2$ | $O_3$ | $O_4$ | $O_5$ | $O_6$ | $O_7$ | $O_8$ | $O_9$ |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| $1a$    | 1     | 55    | 132   | 165   | 495   | 660   | 792   | 1320  | 1980  |
| $22a$   | 1     | 5     | 52    | -85   | 195   | -140  | 72    | -280  | 180   |
| $77a$   | 1     | -20   | 37    | 40    | 45    | 85    | -138  | -80   | 30    |
| $154b$  | 1     | -19   | -12   | -21   | 27    | 84    | 72    | -24   | -108  |
| $175a$  | 1     | 7     | 4     | 37    | 63    | -44   | 24    | 40    | -132  |
| $770a$  | 1     | -4    | 13    | -16   | -3    | -11   | -18   | 56    | -18   |
| $825a$  | 1     | 12    | -11   | -8    | 13    | 21    | -26   | 0     | -2    |
| $1056a$ | 1     | 6     | 13    | 4     | -23   | 9     | 22    | -24   | -8    |
| $2520a$ | 1     | -4    | -7    | 4     | -3    | -11   | 2     | -4    | 22    |

## References

- [Höh01] I. Höhler. Vielfachheitsfreie Permutationsdarstellungen und die Invarianten zugehöriger Graphen. Examensarbeit, RWTH Aachen, 2001.